

1. (CURRENTLY AMENDED) A digital communications translator for alarm systems,  
comprising:

a first telephone line interface, for receiving communications signals from a host alarm system  
over a telephone line;

a second telephone line interface, for transmitting translated communications signals to a receiver  
system over a telephone line; and

a translator, coupled to the first telephone line interface and the second telephone line interface,  
for receiving communications signals from the host alarm system and translating the communications  
signals into translated communication signals and outputting the translated communications signals to  
the receiver system,

wherein the communications signals comprise digital data signals which comprise alarm system  
codes and data generated by the host alarm system and the translated communications signals comprise  
corresponding alarm system codes and data programmed into the translator.

2. (CURRENTLY AMENDED) The digital communications translator of claim 1, wherein the  
communications signals further comprise Dual Tone Multiple Frequency (DTMF) signals.

3. (CURRENTLY AMENDED) The digital communications translator of claim 2, wherein the  
DTMF signals further comprise a telephone number programmed into the host alarm system, and the

translated communications signals comprises a DTMF telephone number programmed into the translator.

4. (CURRENTLY AMENDED) The digital communications translator of claim 1, wherein the ~~communications signals comprise digital data signals include one or more of alarm system activation signals, alarm system deactivation signals, and alarm system status signals.~~

5. (CURRENTLY AMENDED) The digital communications translator of claim 4, wherein the ~~digital data signals comprise alarm system codes and data generated by the host and the translated communications signals comprise corresponding alarm system codes and data programmed into the translator include one or more of a glass break signal, a window switch signal, a door switch signal, a smoke detector signal, a tamper signal, a low battery signal, or a fire signal.~~

6. (CURRENTLY AMENDED) The digital communications translator of claim 4, wherein the digital data signals comprise an ~~old~~ alarm system account number generated by the host ~~alarm system~~ and the translated communications signals ~~comprise a corresponding~~ comprises a translated new alarm system account number programmed into the translator, wherein the digital communications translator transmits the new alarm system account number in response to receiving at least a portion of the old

alarm system account number.

7. (CURRENTLY AMENDED) The digital communications translator of claim 1, wherein the translator comprises:

a first memory for storing as a look-up table, translated ~~communications signals~~ alarm codes, the first memory being addressed using ~~the communications signals~~ alarm codes received from the host system ~~host alarm system~~ and outputting a corresponding translated ~~communication signal~~ alarm code stored at a memory address.

8. (CURRENTLY AMENDED) The digital communications translator of claim 7, wherein the translator further comprises:

a second memory, coupled to the first memory, for storing a library of alarm code translation data for a plurality of host alarm system types.

9. (CURRENTLY AMENDED) The digital communications translator of claim ~~7~~8, wherein the translator detects host alarm system type and downloads a corresponding library of alarm code data from the second memory to the first memory for ~~data~~ alarm code translation for the detected host alarm system type.

10. (CURRENTLY AMENDED) The digital communications translator of claim 1,  
wherein the first telephone line interface comprises a first modem, for receiving communications data signals from the host alarm system,  
wherein the second telephone line interface comprises a second modem, for transmitting translated communications to the receiver, and  
wherein the translator comprises a microprocessor and at least one memory, wherein the microprocessor receives a communication signal from the first modem, looks up a translated communication signal in the memory using a memory address generated from the communication signal, and outputs to the second modem a translated communication signal stored at the memory address.

11. (CURRENTLY AMENDED) A method of translating digital alarm communications over a telephone line, comprising the steps of:

receiving, over a first telephone line interface, communications signals from a ~~host system~~host alarm system over a telephone line,

receiving, in a translator coupled to the first telephone line interface and a second telephone line interface, communications signals from the ~~host system~~host alarm system,

translating, in the translator, the communications signals into translated communication signals, outputting the translated communications signals to the second telephone line interface, and

transmitting, over the second telephone line interface, translated communications signals to a receiver system over a telephone line,

wherein the communications signals comprise digital data signals which comprise alarm system codes and data generated by the host alarm system and the translated communications signals comprise corresponding alarm system codes and data programmed into the translator.

12. (CURRENTLY AMENDED) The method of translating digital communications over a telephone line of claim 11, wherein the communications signals further comprise Dual Tone Multiple Frequency (DTMF) signals.

13. (CURRENTLY AMENDED) The method of translating digital communications over a telephone line of claim 12, wherein the DTMF signals further comprise a telephone number programmed into the host alarm system, and the translated communications signals ~~comprises the steps of~~ comprise a DTMF telephone number programmed into the translator.

14. (CURRENTLY AMENDED) The method of translating digital communications over a telephone line of claim 11, wherein the ~~communications signals comprise~~ digital data signals include one or more of alarm system activation signals, alarm system deactivation signals, and alarm system

status signals.

15. (CURRENTLY AMENDED) The method of translating digital communications over a telephone line of claim ~~14~~11, wherein the digital data signals ~~comprise~~ alarm system codes and data generated by the host and the translated communications signals ~~comprise~~ corresponding alarm system codes and data programmed into the translator include one or more of a glass break signal, a window switch signal, a door switch signal, a smoke detector signal, a tamper signal, a low battery signal, or a fire signal.

16. (CURRENTLY AMENDED) The method of translating digital communications over a telephone line of claim 14, wherein the digital data signals comprise an ~~old~~ alarm system account number generated by the host ~~alarm system~~ and the translated communications signals ~~comprise a~~ corresponding ~~comprises a~~ translated ~~new~~ alarm system account number programmed into the translator, wherein the digital communications translator transmits the new alarm system account number in response to receiving at least a portion of the old alarm system account number.

17. (CURRENTLY AMENDED) The method of translating digital communications over a telephone line of claim 11, wherein said step of translating further comprises the steps of:

storing, in a first memory as a look-up table, translated ~~communications signals~~ alarm codes,  
addressing the first memory using the ~~communications signals~~ alarm codes received from the  
~~host system~~ host alarm system, and  
outputting a corresponding translated ~~communication signal~~ alarm code stored at a memory  
address.

18. (CURRENTLY AMENDED) The method of translating digital communications over a  
telephone line of claim 17, wherein said step of translating further comprises the step of:

storing in a second memory, coupled to the first memory, a library of alarm code translation data  
for a plurality of host alarm system types.

19. (CURRENTLY AMENDED) The method of translating digital communications over a  
telephone line of claim 17, wherein said step of translating further comprises the steps of:

detecting, in the translator, host alarm system type, and

downloading a corresponding library of alarm code data from ~~the a~~ second memory to the first  
memory for alarm code data translation for the detected host alarm system type.

20. (CURRENTLY AMENDED) The method of translating digital communications over a

telephone line of claim 11,

wherein said step of receiving over the first telephone line interface comprises the step of receiving communications data signals from a host alarm system over a first modem,

wherein said step of outputting over the second telephone line interface comprises the step of transmitting translated communications to the receiver over a second modem, and

wherein said step of translating comprises the steps of:

receiving in a microprocessor coupled to at least one memory, a communication signal from the first modem,

looking up, using the microprocessor, a translated communication signal in the at least one memory using a memory address generated from the communication signal, and

outputting to the second modem from the microprocessor, a translated communication signal stored at the memory address.